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| <u>L18</u>   | gauchat-jean-francois.in. | 12               | <u>L18</u>                    |
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| <u>L16</u>   | bonnefoy-jean-yves.in.    | 24               | <u>L16</u>                    |
| <u>L15</u>   | bonnefoy-jean-yves.in.    | 0                | <u>L15</u>                    |
| <u>L14</u>   | jean-yves-bonnefoy.in.    | 0                | <u>L14</u>                    |
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| <u>L13</u>   | L12 and il13              | 1                | <u>L13</u>                    |
| <u>L12</u>   | L11 and antibody          | 1                | <u>L12</u>                    |
| <u>L11</u>   | L10 and antibody          | 1                | <u>L11</u>                    |
| <u>L10</u>   | 6911530.pn.               | 1                | <u>L10</u>                    |
| <u>L9</u>  | L8 and antibody           | 1                | <u>L9</u>                     |
| <u>L8</u>  | 5453491.pn.               | 1                | <u>L8</u>                     |
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| <u>L7</u>  | il13 same il4             | 711              | <u>L7</u>                     |

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| <u>L6</u>                        | il13 wsame il4 | 0   | <u>L6</u> |
| <u>L5</u>                        | il13 with il4  | 672 | <u>L5</u> |
| <i>DB=USPT; PLUR=YES; OP=ADJ</i> |                |     |           |
| <u>L4</u>                        | il13 with il4  | 115 | <u>L4</u> |
| <u>L3</u>                        | il13 and il4   | 135 | <u>L3</u> |
| <u>L2</u>                        | 6743604.pn.    | 1   | <u>L2</u> |
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☐ 1: [Kunwar S.](#)

[Related Articles](#), [Links](#)



Convection enhanced delivery of IL13-PE38QQR for treatment of recurrent malignant glioma: presentation of interim findings from ongoing phase 1 studies.

Acta Neurochir Suppl. 2003;88:105-11.

PMID: 14531568 [PubMed - indexed for MEDLINE]

☐ 2: [Johnson TR, Parker RA, Johnson JE, Graham BS.](#)

[Related Articles](#), [Links](#)



IL-13 is sufficient for respiratory syncytial virus G glycoprotein-induced eosinophilia after respiratory syncytial virus challenge.

J Immunol. 2003 Feb 15;170(4):2037-45.

PMID: 12574374 [PubMed - indexed for MEDLINE]

☐ 3: [Salter DM, Millward-Sadler SJ, Nuki G, Wright MO.](#)

[Related Articles](#), [Links](#)



Differential responses of chondrocytes from normal and osteoarthritic human articular cartilage to mechanical stimulation.

Biorheology. 2002;39(1-2):97-108.

PMID: 12082272 [PubMed - indexed for MEDLINE]

☐ 4: [Wang J, Tung YC, Wang Y, Li XT, Iqbal K, Grundke-Iqbal I.](#)

[Related Articles](#), [Links](#)



Hyperphosphorylation and accumulation of neurofilament proteins in Alzheimer disease brain and in okadaic acid-treated SY5Y cells.

FEBS Lett. 2001 Oct 19;507(1):81-7.

PMID: 11682063 [PubMed - indexed for MEDLINE]

☐ 5: [Tan LC, Mowat AG, Fazou C, Rostron T, Roskell H, Dunbar PR, Tournay C, Romagne F, Peyrat MA, Houssaint E, Bonneville M, Rickinson AB, McMichael AJ, Callan MF.](#)

[Related Articles](#), [Links](#)



Specificity of T cells in synovial fluid: high frequencies of CD8(+) T cells that are specific for certain viral epitopes.

Arthritis Res. 2000;2(2):154-64. Epub 2000 Feb 7.

PMID: 11062606 [PubMed - indexed for MEDLINE]

☐ 6: [Yung LY, Colman RW, Cooper SL.](#)

[Related Articles](#), [Links](#)



Neutrophil adhesion on polyurethanes preadsorbed with high molecular weight kininogen.

Blood. 1999 Oct 15;94(8):2716-24.

PMID: 10515875 [PubMed - indexed for MEDLINE]

☐ **7:** [Debinski W, Gibo DM, Slagle B, Powers SK, Gillespie GY.](#) [Related Articles, Links](#)



Receptor for interleukin 13 is abundantly and specifically over-expressed in patients with glioblastoma multiforme.

Int J Oncol. 1999 Sep;15(3):481-6.

PMID: 10427128 [PubMed - indexed for MEDLINE]

☐ **8:** [Poudrier J, Graber P, Herren S, Gretener D, Elson G, Berney C, Gauchat JF, Kosco-Vilbois MH.](#) [Related Articles, Links](#)



A soluble form of IL-13 receptor alpha 1 promotes IgG2a and IgG2b production by murine germinal center B cells.

J Immunol. 1999 Aug 1;163(3):1153-61.

PMID: 10415009 [PubMed - indexed for MEDLINE]

☐ **9:** [Chomarat P, Banchereau J.](#) [Related Articles, Links](#)



Interleukin-4 and interleukin-13: their similarities and discrepancies.

Int Rev Immunol. 1998;17(1-4):1-52. Review.

PMID: 9914942 [PubMed - indexed for MEDLINE]

☐ **10:** [Christman CW, Salvant JB Jr, Walker SA, Povlishock JT.](#) [Related Articles, Links](#)



Characterization of a prolonged regenerative attempt by diffusely injured axons following traumatic brain injury in adult cat: a light and electron microscopic immunocytochemical study.

Acta Neuropathol (Berl). 1997 Oct;94(4):329-37.

PMID: 9341933 [PubMed - indexed for MEDLINE]

☐ **11:** [Rolling C, Treton D, Pellegrini S, Galanaud P, Richard Y.](#) [Related Articles, Links](#)



IL4 and IL13 receptors share the gamma c chain and activate STAT6, STAT3 and STAT5 proteins in normal human B cells.

FEBS Lett. 1996 Sep 9;393(1):53-6.

PMID: 8804422 [PubMed - indexed for MEDLINE]

☐ **12:** [Ma D, Descarries L, Julien JP, Doucet G.](#) [Related Articles, Links](#)



Abnormal perikaryal accumulation of neurofilament light protein in the brain of mice transgenic for the human protein: sequence of postnatal development.

Neuroscience. 1995 Sep;68(1):135-49.

PMID: 7477919 [PubMed - indexed for MEDLINE]

☐ **13:** [Serra R, Carbonetto S, Lord M, Isom HC.](#) [Related Articles, Links](#)



Transforming growth factor beta 1 suppresses transformation in hepatocytes by regulating alpha 1 beta 1 integrin expression.

Cell Growth Differ. 1994 May;5(5):509-17.

PMID: 8049157 [PubMed - indexed for MEDLINE]

☐ **14:** [Christman CW, Grady MS, Walker SA, Holloway KL, Povlishock JT.](#) [Related Articles, Links](#)



Ultrastructural studies of diffuse axonal injury in humans.

J Neurotrauma. 1994 Apr;11(2):173-86.

PMID: 7523685 [PubMed - indexed for MEDLINE]

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L2: Entry 1 of 1

File: USPT

Jun 1, 2004

US-PAT-NO: 6743604

DOCUMENT-IDENTIFIER: US 6743604 B1

TITLE: Substances and their uses

DATE-ISSUED: June 1, 2004

## INVENTOR-INFORMATION:

| NAME                           | CITY                    | STATE | ZIP CODE | COUNTRY |
|--------------------------------|-------------------------|-------|----------|---------|
| Bonnefoy; Jean-Yves            | Sant Julien-en-Genevois |       |          | FR      |
| Gauchat; Jean-Fran.cedilla.ois | Geneva                  |       |          | CH      |

## ASSIGNEE-INFORMATION:

| NAME                           | CITY         | STATE | ZIP CODE | COUNTRY | TYPE | CODE |
|--------------------------------|--------------|-------|----------|---------|------|------|
| Smithkline Beecham Corporation | Philadelphia | PA    |          |         |      | 02   |

APPL-NO: 09/545002   [PALM]

DATE FILED: April 6, 2000

## PARENT-CASE:

This application is a divisional of application Ser. No. 08/969,125, filed Nov. 12, 1997, now U.S. Pat. No. 6,143,871, the entire content of which is hereby incorporated by reference in this application.

## FOREIGN-APPL-PRIORITY-DATA:

| COUNTRY | APPL-NO | APPL-DATE         |
|---------|---------|-------------------|
| GB      | 9625899 | December 13, 1996 |

INT-CL-ISSUED: [07] C07H 21/04, C12N 15/12, C12N 15/24, C12N 15/63

## INT-CL-CURRENT:

| TYPE | IPC                 | DATE     |
|------|---------------------|----------|
| CIPS | <u>C07 K 14/435</u> | 20060101 |
| CIPS | <u>C07 K 14/715</u> | 20060101 |
| CIPN | <u>A61 K 38/00</u>  | 20060101 |

US-CL-ISSUED: 435/69.52; 435/69.1, 435/7.1, 435/172.3, 435/235.1, 435/325, 435/320.1, 435/69.7, 530/300, 530/351, 536/23.1, 536/23.5, 536/23.4, 536/24.3

US-CL-CURRENT: 435/69.52; 435/235.1, 435/320.1, 435/325, 435/69.1, 435/69.7, 435/7.1, 530/300, 530/351, 536/23.1, 536/23.4, 536/23.5, 536/24.3

FIELD-OF-CLASSIFICATION-SEARCH: 435/69.1, 435/7.1, 435/172.3, 435/235.1, 435/325, 435/320.1, 435/69.52, 435/69.7, 530/350, 530/351, 536/23.1, 536/23.5, 536/23.4, 536/24.3

See application file for complete search history.

PRIOR-ART-DISCLOSED:

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE      | COUNTRY | CLASS |
|----------------|----------------|---------|-------|
| WO 97/20926    | June 1997      | WO      |       |
| WO 97/31946    | September 1997 | WO      |       |

OTHER PUBLICATIONS

Hilton, D.J. et al., cloning and characterization of binding subunit of the interleukin 13 receptor that is also a component of the interleukin receptor, Proc. Natl. Acad. Sci. U.S.A., vol. 93, pp. 497-501, 1996.\*

Aman, M. J. et al., cDNA cloning and characterization of human interleukin 13 receptor alpha chain, J. Biol. Chem., vol. 271, No. 46, pp. 29265-29270, 1996.\*

Caput et al, "Cloning and Characterization of a Specific Interleukin (IL)-13 Binding Protein Structurally Related to the IL-5 Receptor .alpha. Chain", The Journal of Biological Chemistry 271(28):16921-16926 (1996).

Minty et al, "Interleukin-13 is a new human lymphokine regulating inflammatory and immune responses", Nature 362:248-250 (1993).

Aman et al, "cDNA Cloning and Characterization of the Human Interleukin 13 Receptor .alpha.Chain", The Journal of Biological Chemistry, 271(46):29265-29270 (1996).

Hilton et al, "Cloning and characterization of a binding subunit of the interleukin 13 receptor that is also a component of the interleukin 4 receptor", Proc. Natl. Acad. Sci. USA 93:497-501 (1996).

Callard et al, "IL-4 and IL-13 receptors: are they one and the same?", Immunology Today 17(3):108-110 (1996).

George et al, Current Methods in Sequence Comparison and Analysis, selected methods and applications. Edited by David H. Schlesinger, Alan R. Liss, Inc., New York, pp. 124-129 (1998).

Ngo et al, Computational complexity, protein structure prediction, and the levinthal paradox., The Protein folding problem and Tertiary structure prediction, K. Merz, Jr. and S. Le Grand, editors, Birkhause Boston, pp. 491-495 (1995).

Bowie et al, Deciphering the message in Protein sequences: Tolerance to Amino Acid Substitutions, Science 247:1306-1310 (1990).

Wells et al, "Additivity to mutational effects in proteins", Biochemistry, pp. 8509-8579 (1990).

ART-UNIT: 1646

PRIMARY-EXAMINER: Eyler; Yvonne

ASSISTANT-EXAMINER: Basi; Nirmal S.

ATTY-AGENT-FIRM: Nixon & Vanderhye P.C.

ABSTRACT:

Polypeptides capable of binding human IL-13 and/or of binding human IL-4 in the presence of IL-4 R.alpha. can be used in medicine, in diagnosis and in screening for agonists/antagonists of IL-13/IL-4. One such polypeptide is shown in FIG. 1.



9 Claims, 9 Drawing figures

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File: USPT

Jun 1, 2004

US-PAT-NO: 6743604

DOCUMENT-IDENTIFIER: US 6743604 B1

TITLE: Substances and their uses

DATE-ISSUED: June 1, 2004

INVENTOR-INFORMATION:

| NAME                           | CITY                    | STATE | ZIP | CODE | COUNTRY |
|--------------------------------|-------------------------|-------|-----|------|---------|
| Bonnefoy; Jean-Yves            | Sant Julien-en-Genevois |       |     |      | FR      |
| Gauchat; Jean-Fran.cedilla.ois | Geneva                  |       |     |      | CH      |

US-CL-CURRENT: [435/69.52](#); [435/235.1](#), [435/320.1](#), [435/325](#), [435/69.1](#), [435/69.7](#),  
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File: USPT

Nov 7, 2000

US-PAT-NO: 6143871

DOCUMENT-IDENTIFIER: US 6143871 A

**\*\* See image for Certificate of Correction \*\***

TITLE: IL-13 and IL-4 binding polypeptides

DATE-ISSUED: November 7, 2000

**INVENTOR-INFORMATION:**

| NAME                               | CITY                                   | STATE | ZIP | CODE | COUNTRY |
|------------------------------------|--|-------|-----|------|---------|
| Bonnefoy; Jean-Yves                | 74164 Sant Julien-en-Genevois<br>Cedex |       |     |      | FR      |
| Gauchat; Jean-<br>Fran.cedilla.ois |  |       |     |      |         |

US-CL-CURRENT: 530/351; 314/2, 435/69.1, 435/7.1, 530/300, 530/350, 536/23.1,  
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TITLE: IL-13 and IL-4 binding polypeptides

DATE-ISSUED: November 7, 2000

## INVENTOR-INFORMATION:

| NAME                               | CITY                                   | STATE | ZIP | CODE | COUNTRY |
|------------------------------------|--|-------|-----|------|---------|
| Bonnefoy; Jean-Yves                | 74164 Sant Julien-en-Genevois<br>Cedex |       |     |      | FR      |
| Gauchat; Jean-<br>Fran.cedilla.ois |  |       |     |      |         |

APPL-NO: 08/969125 [PALM]

DATE FILED: November 12, 1997

## FOREIGN-APPL-PRIORITY-DATA:

| COUNTRY | APPL-NO | APPL-DATE         |
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| GB      | 9625899 | December 13, 1996 |

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| CIPS | <u>C07 K 14/715</u> | 20060101 |
| CIPN | <u>A61 K 38/00</u>  | 20060101 |

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FIELD-OF-CLASSIFICATION-SEARCH: 530/350, 530/351, 530/300, 536/23.5, 536/23.1, 514/2, 930/140-145, 435/7.1, 435/69.1, 435/172.1

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FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE      | COUNTRY | CLASS |
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| WO 97/20926    | June 1997      | WO      |       |
| WO 97/31946    | September 1997 | WO      |       |

## OTHER PUBLICATIONS

George et al., Current Methods in Sequence Comparison and Analysis, selected methods and applications. Edited by David H. Schlesinger, Alan R. Liss, Inc., New York, pp. 124-129, 1988.

Ngo, J. T. et al Computational complexity, protein structure prediction, and the levinthal paradox., The Protein folding problem and Tertiary structure prediction, K. Merz, Jr. And S. Le Grand, editors, Birkhauser Boston., pp. 491-495, 1995.

Bowie et al., Deciphering the message in Protein sequences: Tolerance to Amino Acid Substitutions. Science, vol. 247, pp. 1306-1310, 1990.

Wells, J. A et al., Additivity of mutational effects in proteins, Biochemistry, pp. 8509-8579, 1990.

Caput et al, "Cloning and Characterization of a Specific Interleukin (IL)-13 Binding Protein Structurally Related to the IL-5 Receptor .alpha. Chain", The Journal of Biological Chemistry 271(28):16921-16926 (1996).

Minty et al, "Interleukin-13 is a new human lymphokine regulating inflammatory and immune responses", Nature 362:248-250 (1993).

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Hilton et al, "Cloning and characterization of a binding subunit of the interleukin 13 receptor that is also a component of the interleukin 4 receptor", Proc. Natl. Acad. Sci. USA 93:497-501 (1996).

Callard et al, "IL-4 and IL-13 receptors: are they one and the same?", Immunology Today 17(3):108-110 (1996).

ART-UNIT: 166

PRIMARY-EXAMINER: Kemmerer; Elizabeth

ASSISTANT-EXAMINER: Basi; Nirmaz S.

ATTY-AGENT-FIRM: Nixon &amp; Vanderhye P.C.

## ABSTRACT:

Polypeptides capable of binding human IL-13 and/or of binding human IL-4 in the presence of IL-4 R.alpha. can be used in medicine, in diagnosis and in screening for agonists/antagonists of IL-13/IL-4. One such polypeptide is shown in FIG. 1.

8 Claims, 5 Drawing figures

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| <u>L6</u>   | il13 wsame il4 | 0                | <u>L6</u>                     |
| <u>L5</u>   | il13 with il4  | 672              | <u>L5</u>                     |
| <i>DB=USPT; PLUR=YES; OP=ADJ</i>                          |                |                  |                               |
| <u>L4</u>   | il13 with il4  | 115              | <u>L4</u>                     |
| <u>L3</u>   | il13 and il4   | 135              | <u>L3</u>                     |
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L10: Entry 1 of 1

File: USPT

Jun 28, 2005

US-PAT-NO: 6911530

DOCUMENT-IDENTIFIER: US 6911530 B1

TITLE: Haemopoietin receptor and genetic sequences encoding same

DATE-ISSUED: June 28, 2005

## INVENTOR-INFORMATION:

| NAME               | CITY             | STATE | ZIP CODE | COUNTRY |
|--------------------|------------------|-------|----------|---------|
| Willson; Tracy     | North Balwyn     |       |          | AU      |
| Nicola; Nicos A.   | Mont Albert      |       |          | AU      |
| Hilton; Douglas J. | Warrandyte       |       |          | AU      |
| Metcalf; Donald    | Balwyn           |       |          | AU      |
| Zhang; Jian Guo    | Hoppers Crossing |       |          | AU      |

## ASSIGNEE-INFORMATION:

| NAME                         | CITY     | STATE | ZIP CODE | COUNTRY | TYPE CODE |
|------------------------------|----------|-------|----------|---------|-----------|
| Amrad Operations, Pty., Ltd. | Richmond |       |          | AU      | 03        |

APPL-NO: 09/688286 [PALM]

DATE FILED: October 13, 2000

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS The present application is a divisional of application Ser. No. 09/051,843 filed Oct. 23, 1996 which is a 371 of PCT/AU96/00668 filed Oct. 23, 1998.

## FOREIGN-APPL-PRIORITY-DATA:

| COUNTRY | APPL-NO | APPL-DATE         |
|---------|---------|-------------------|
| AU      | PN-6135 | October 23, 1995  |
| AU      | PN-7276 | December 22, 1995 |
| AU      | PO-2208 | September 9, 1996 |

INT-CL-ISSUED: [07] C07K 16/00, C07K 14/00, A61K 39/395, C07N 15/11

## INT-CL-CURRENT:

| TYPE IPC                 | DATE     |
|--------------------------|----------|
| CIPS <u>C07 K 14/435</u> | 20060101 |
| CIPS <u>C07 K 14/715</u> | 20060101 |
| CIPN <u>A61 K 38/00</u>  | 20060101 |

US-CL-ISSUED: 530/387.1; 580/388.1, 580/388.15, 580/388.27, 580/387.9, 580/300,

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See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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| PAT-NO                           | ISSUE-DATE    | PATENTEE-NAME | US-CL |
|----------------------------------|---------------|---------------|-------|
| <input type="checkbox"/> 5508164 | April 1996    | Kausch et al. |       |
| <input type="checkbox"/> 5574136 | November 1996 | Nagata et al. |       |

FOREIGN PATENT DOCUMENTS

| FOREIGN-PAT-NO | PUBN-DATE  | COUNTRY | CLASS |
|----------------|------------|---------|-------|
| WO96/11213     | April 1996 | WO      |       |
| WO97/20926     | June 1997  | WO      |       |

OTHER PUBLICATIONS

Hilton, et al. (Jan. 1996) "Cloning and Characterization of a Binding Subunit of the Interleukin 13 Receptor that is also a Component of the Interleukin 4 Receptor", Proc. Natl. Acad. Sci. USA 93:497-501.  
Lin, C.C., et al. "Differential Fluorescent Staining of Human Chromosomes with Daunomycin and Adriamycin--The D Bands," Science, vol. 190, p. 61-63, Oct. 3, 1975.

Matthews, et al. (Jan. 1, 1995) "Function of the Interleukin-2 (IL-2) Receptor .gamma.-Chain in Biologic Responses, of X-Linked Severe Combined Immunodeficient B Cells to IL-2, IL-4, IL-13 and IL-15", Blood 85(1):38-42.  
Miloux, et al. (1997) "Cloning of the Human IL-13R.alpha.1 Chain and Reconstitution with the IL-4R.alpha. of a Functional IL-4/IL-13 Receptor Complex", FEBS Letters 401:163-166.  
Obiri, et al. (Apr. 14, 1995) "Receptor for Interleukin 18: Interaction with Interleukin 4 by a Mechanism that does not Involve the Common .gamma. Chain Shared by Receptors for Interleukins 2, 4, 7, 9 and 15", The Journal of Biological Chemistry 270(16):8797-8804.  
Obiri, et al. "The IL-13 Receptor Structure Differs on Various Cell Types and may Share More than One Component with IL-4 Receptor", The Journal of Immunology:756-764, Jan. 15, 1997.  
Smerz-Bertling, et al. (Jan. 13, 1995) "Both Interleukin 4 and Interleukin 13 Induce Tyrosine Phosphorylation of the 140-kDa Subunit of the Interleukin 4 Receptor", The Journal of Biological Chemistry 270(2):966-970.  
Vita, et al. (Feb. 24, 1995) "Characterization and Comparison of the Interleukin 13 Receptor with the Interleukin 4 Receptor on Several Cell Types", The Journal of Biological Chemistry 270(8):3512-3517.  
Zhang, et al. (Apr. 4, 1997) "Identification, Purification and Characterization of a Soluble Interleukin (IL)-13-Binding Protein", The Journal of Biological Chemistry



272(14):9474-9480.

Zurawski, et al. (1993) "Receptors for Interleukin-13 and Interleukin-4 are Complex and Share a Novel Component that Functions in Signal Transduction", The EMBO Journal 12(7):2663-2670.

Zurawski, et al. (Jun. 9, 1995) "The Primary Binding Subunit of the Human Interleukin-4 Receptor is also a Component of the Interleukin-13 Receptor", The Journal of Biological Chemistry 270(23):13869-13878.

D. Caput, et al. (1996) "Cloning and Characterization of a Specific Interleukin (IL)-13 Binding Protein Structurally Related to the IL-5 Receptor .alpha. Chain" Journal of Biological Chemistry, 271(28):16921-16926.

N.A. Nicola (1994) Guidebook to Cytokines and Their Receptors, Oxford University Press: New York, New York.

N. Vita, et al. (1995) "Characterization and Comparison of the Interleukin 13 Receptor with the Interleukin 4 Receptor on Several Cell Types" The Journal of Biological Chemistry 270(8):3512-3517.

N. Harada, et al. (1990) "Expression Cloning of a cDNA Encoding the Murine Interleukin Receptor Based on Ligand Binding" Proc. Natl. Acad. Sci., USA 87:857-861.

ART-UNIT: 1646

PRIMARY-EXAMINER: Eyler; Yvonne

ASSISTANT-EXAMINER: Basi; Nirmal S.

ATTY-AGENT-FIRM: Scully, Scott, Murphy & Presser

ABSTRACT:

The present invention relates generally to a novel haemopoietin receptor or components or part thereof and to genetic sequences encoding same. The receptor molecules and their components and/or parts and the genetic sequences encoding same of the present invention are useful in the development of a wide range of agonists, antagonists, therapeutics and diagnostic reagents based on ligand interaction with its receptor.

15 Claims, 30 Drawing figures

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